

Amal Alachkar

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

795
citations

516710

16
h-index

580821

25
g-index

48
all docs

48
docs citations

48
times ranked

998
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic Electrochemical Sensor for Cerebrospinal Fluid and Blood Dopamine Detection in a Mouse Model of Parkinson's Disease. <i>Analytical Chemistry</i> , 2020, 92, 12347-12355.	6.5	68
2	The Antinociceptive Properties of the <i>Corydalis yanhusuo</i> Extract. <i>PLoS ONE</i> , 2016, 11, e0162875.	2.5	57
3	Electrochemical Micropipette Array-Based Sensor for <i>In Situ</i> Monitoring of Dopamine Released from Neuroblastoma Cells. <i>Analytical Chemistry</i> , 2020, 92, 7746-7753.	6.5	49
4	Teucrium polium plant extract inhibits cell invasion and motility of human prostate cancer cells via the restoration of the E-cadherin/catenin complex. <i>Journal of Ethnopharmacology</i> , 2010, 129, 410-415.	4.1	43
5	Association of polymorphisms in one-carbon metabolizing genes with breast cancer risk in Syrian women. <i>Tumor Biology</i> , 2012, 33, 1133-1139.	1.8	35
6	Inactivation of the melanin concentrating hormone system impairs maternal behavior. <i>European Neuropsychopharmacology</i> , 2016, 26, 1826-1835.	0.7	32
7	Association between MTHFR C677T and A1298C, and MTRR A66G polymorphisms and susceptibility to schizophrenia in a Syrian study cohort. <i>Asian Journal of Psychiatry</i> , 2012, 5, 144-149.	2.0	30
8	Binding of dopamine and 3-methoxytyramine as l-DOPA metabolites to human α -adrenergic and dopaminergic receptors. <i>Neuroscience Research</i> , 2010, 67, 245-249.	1.9	27
9	A Methionine-Induced Animal Model of Schizophrenia: Face and Predictive Validity. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv054.	2.1	27
10	α -Adrenoceptor-mediated modulation of the release of GABA and noradrenaline in the rat substantia nigra pars reticulata. <i>Neuroscience Letters</i> , 2006, 395, 138-142.	2.1	25
11	Locomotor response to l-DOPA in reserpine-treated rats following central inhibition of aromatic l-amino acid decarboxylase: Further evidence for non-dopaminergic actions of l-DOPA and its metabolites. <i>Neuroscience Research</i> , 2010, 68, 44-50.	1.9	24
12	High-Risk HPVs and Human Carcinomas in the Syrian Population. <i>Frontiers in Oncology</i> , 2014, 4, 68.	2.8	23
13	Melanin concentrating hormone modulates oxytocin-mediated marble burying. <i>Neuropharmacology</i> , 2018, 128, 22-32.	4.1	22
14	Triplex tetra-primer ARMS-PCR method for the simultaneous detection of MTHFR c.677C>T and c.1298A>C, and MTRR c.66A>G Polymorphisms of the folate-homocysteine metabolic pathway. <i>Molecular and Cellular Probes</i> , 2012, 26, 16-20.	2.1	20
15	Lab-in-a-pencil graphite: A 3D-printed microfluidic sensing platform for real-time measurement of antipsychotic clozapine level. <i>Lab on A Chip</i> , 2021, 21, 405-411.	6.0	19
16	Patterns of cilia gene dysregulations in major psychiatric disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 109, 110255.	4.8	19
17	Changes in the mRNA Levels of α 2A and α 2C Adrenergic Receptors in Rat Models of Parkinson's Disease and l-DOPA-Induced Dyskinesia. <i>Journal of Molecular Neuroscience</i> , 2012, 46, 145-152.	2.3	16
18	Regulation of Brain Primary Cilia Length by MCH Signaling: Evidence from Pharmacological, Genetic, Optogenetic, and Chemogenic Manipulations. <i>Molecular Neurobiology</i> , 2022, 59, 245-265.	4.0	16

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19	The role of Olfaction in MCH-regulated spontaneous maternal responses. <i>Brain Research</i> , 2019, 1719, 71-76.	2.2	15
20	Metabolomic and transcriptomic signatures of prenatal excessive methionine support nature rather than nurture in schizophrenia pathogenesis. <i>Communications Biology</i> , 2020, 3, 409.	4.4	15
21	The hidden link between circadian entropy and mental health disorders. <i>Translational Psychiatry</i> , 2022, 12, .	4.8	15
22	Mating and parenting experiences sculpture mood-modulating effects of oxytocin-MCH signaling. <i>Scientific Reports</i> , 2020, 10, 13611.	3.3	14
23	Betaine Significantly Improves Multiplex Tetra-Primer ARMS-PCR Methods. <i>Molecular Biotechnology</i> , 2013, 54, 977-982.	2.4	13
24	Burden of post-traumatic stress disorder in postgenocide Rwandan population following exposure to 1994 genocide against the Tutsi: A meta-analysis. <i>Journal of Affective Disorders</i> , 2020, 275, 7-13.	4.1	13
25	Transcriptome Profiling of Dysregulated GPCRs Reveals Overlapping Patterns across Psychiatric Disorders and Age-Disease Interactions. <i>Cells</i> , 2021, 10, 2967.	4.1	13
26	A Natural Product with High Affinity to Sigma and 5-HT7 Receptors as Novel Therapeutic Drug for Negative and Cognitive Symptoms of Schizophrenia. <i>Neurochemical Research</i> , 2019, 44, 2536-2545.	3.3	11
27	Melanin Concentrating Hormone Signaling Deficits in Schizophrenia: Association with Memory and Social Impairments and Abnormal Sensorimotor Gating. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 53-65.	2.1	11
28	Intergenerational trauma transmission is associated with brain metabotranscriptome remodeling and mitochondrial dysfunction. <i>Communications Biology</i> , 2021, 4, 783.	4.4	11
29	Large-scale analysis reveals spatiotemporal circadian patterns of cilia transcriptomes in the primate brain. <i>Journal of Neuroscience Research</i> , 2021, 99, 2610-2624.	2.9	11
30	A quadruplex tetra-primer ARMS-PCR method for the simultaneous detection of TP53 Arg72Pro, IVS3 16bp Del/Ins and IVS6+62A>G, and NQO1 C609T polymorphisms. <i>Gene</i> , 2012, 504, 268-273.	2.2	10
31	L-methionine enhances neuroinflammation and impairs neurogenesis: Implication for Alzheimer's disease. <i>Journal of Neuroimmunology</i> , 2022, 366, 577843.	2.3	9
32	Oxytocin-MCH circuit regulates monosynaptic inputs to MCH neurons and modulates social recognition memory. <i>Neuropharmacology</i> , 2021, 184, 108423.	4.1	8
33	No association between Val158Met of the COMT gene and susceptibility to schizophrenia in the Syrian population. <i>North American Journal of Medical Sciences</i> , 2011, 3, 176-178.	1.7	7
34	Association between polymorphisms in apoptotic genes and susceptibility for developing breast cancer in Syrian women. <i>Breast Cancer Research and Treatment</i> , 2013, 138, 611-619.	2.5	7
35	Receptor-specific crosstalk between prostanoid E receptor 3 and bombesin receptor subtype 3. <i>FASEB Journal</i> , 2018, 32, 3184-3192.	0.5	7
36	Association of Myoinositol Transporters with Schizophrenia and Bipolar Disorder: Evidence from Human and Animal Studies. <i>Molecular Neuropsychiatry</i> , 2019, 5, 200-211.	2.9	7

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37	Dynamic Changes of Brain Cilia Transcriptomes across the Human Lifespan. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10387.	4.1	7
38	Novel biomarkers of ciliary extracellular vesicles interact with ciliopathy and Alzheimer's associated proteins. <i>Communicative and Integrative Biology</i> , 2021, 14, 264-269.	1.4	7
39	Lab-In-A-Syringe: A Novel Electrochemical Biosensor for On-Site and Real-Time Monitoring of Dopamine in Freely Behaving Mice. <i>ACS Sensors</i> , 2022, 7, 331-337.	7.8	7
40	Surface Plasmon Resonance Identifies High-Affinity Binding of L-DOPA to Siderocalin/Lipocalin-2 through Iron-Siderophore Action: Implications for Parkinson's Disease Treatment. <i>ACS Chemical Neuroscience</i> , 2022, 13, 158-165.	3.5	6
41	Measurement of the Antipsychotic Clozapine Using Reduced Graphene Oxide Nanocomposites-Au/Pd/Pt Electrodes. <i>Electroanalysis</i> , 2021, 33, 1585-1595.	2.9	5
42	Allele frequencies of the epidermal growth factor receptors polymorphism rs21k in colorectal cancer patients and healthy subjects indicate a risk-reducing effect of rs21 in Syrian population. <i>North American Journal of Medical Sciences</i> , 2013, 5, 202.	1.7	5
43	Association Between Polymorphisms in the Genes for Tumor Suppressor Protein p53 and its Regulator NAD(P)H: Quinone Oxidoreductase 1 (NQO1) and Schizophrenia in a Syrian Study Cohort. <i>Archives of Medical Research</i> , 2013, 44, 121-126.	3.3	4
44	Age-Related Neurometabolomic Signature of Mouse Brain. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2887-2902.	3.5	2